WHAT IS CLAIMED IS:

- A pretensioner which rotates a spool of a seat belt retractor in a belt winding direction to pretension a seat belt in the event of an emergency, comprising:
 - a gas generator;
- a plurality of serial balls which will be accelerated by the gas from the gas generator;
 - a path for guiding the balls; and
- a rotational member having a plurality of driving points wherein said balls collide with said driving points so as to apply rotational torque to said rotatable member;
- wherein the driving points of said rotational member are partially positioned within said path, and
- wherein a space for passage of said balls is defined by said path and said driving points and is narrower than the diameter of said balls.
- A pretensioner as claimed in claim 1, wherein the surfaces of said balls are applied with lubrication coating.
- A pretensioner which rotates a spool of a seat belt retractor to pretension a seat belt in the event of an emergency, comprising:
 - a gas generator;
- a curved pipe connected to the gas generator and positioned to receive generated gas;
- a plurality of balls which are arranged in series in the pipe to be accelerated by the generated gas in a direction away from the gas generator; and
- a gear surrounded by the pipe and configured to rotate to drive rotation of the spool, the gear having external teeth for receiving at least one of the plurality of halls:
- wherein the pipe includes an opening configured to permit the balls to contact the gear;

wherein the pretensioner is configured so that a wall of the pipe opposite the opening is elastically deformed by at least one of the balls during rotation of the gear.

- The pretensioner of claim 3, wherein an interior surface of the pipe is coated with lubricant.
- The pretensioner of claim 3, wherein at least one of the balls is coated with a lubricant.
- 6. A pretensioner which rotates a spool of a seat belt retractor in a belt winding direction to pretension a seat belt, comprising::
 - a plurality of balls positioned in a pipe connected to a gas generator;
 - a rotatable gear having external teeth;
- wherein the pretensioner is configured so that when generated gas enters the pipe the balls are accelerated through a space between the rotating gear and a portion of the pipe containing an opening;
- wherein the space is configured so that as the balls move through the space the balls contact the external teeth of the gear to rotate the gear; and
- wherein a width of the space is less than the diameter of at least one of the balls, thereby requiring a portion of the pretensioner to deform in order to allow the balls to pass through the space.
- The pretensioner of claim 6, wherein the pipe is configured to elastically deform during movement of the balls through the space.
- The pretensioner of claim 6, wherein the inner surface of the pipe is coated with lubricant.
- The pretensioner of claim 6, wherein at least one of the balls is coated with lubricant.

- The pretensioner of claim 6, wherein the gear includes internal teeth that are configured to engage the spool.
- 11. The pretensioner of claim 6, wherein the gear is configured to move into engagement with the spool when the external teeth are moved by the balls.